

Student ID: _____	Catalog: College Catalog 2018-2019		
Student Name: _____	Program: Data Science (B.S.)		
Adviser Name: _____	Minimum Credits Required: _____		
Data Science (B.S.)			
The Data Science major requires:			
First Year Suggested Courses (32 credits)			
Course Name	Term Taken	Grade	Core
FYS 100 - First-Year Seminar			
EN 100 - PLE Writing and Language Or EN 150 - PLE Advanced Writing and Language			
CS 121 - Computer Science I			
CS 122 - Computer Science II <i>*Prerequisite(s): CS 121.</i>			
MA 121 - MA Calculus I			
MA 222 - Calculus III <i>*Prerequisite(s): Grade of C- or better in both MA 121 and PHY 120 OR Grade of C- or better in MA 122.</i>			
• Two additional Core courses (8 credits)			
Second Year Suggested Courses (32 credits):			
Course Name	Term Taken	Grade	Core
CS 221 - Data Structures <i>*Prerequisite(s): CS 122.</i>			
MA 200 - Applied Matrix Algebra <i>*Prerequisite(s): MA 122.</i>			
MA 251 - MA Probability and Statistics			
DS 200 - Introduction to Data Science <i>*Prerequisite(s): CS 122 and MA 121.</i>			
• Four additional Core or elective courses (16 credits total)			
Third Year Suggested Courses (32 credits):			
Course Name	Term Taken	Grade	Core
CS 309 - Database Systems <i>*Prerequisite(s): CS 121.</i>			
DS 300 - Data Mining <i>*Prerequisite(s): CS 309 and DS 200.</i>			
DS 315 - Statistical Learning <i>*Prerequisite(s): MA 252.</i>			
MA 252 - Statistical Methods in Research <i>*Prerequisite(s): MA 251.</i>			
• Four additional Core or elective courses (16 credits)			
Fourth Year Suggested Courses (32 credits):			
Course Name	Term Taken	Grade	Core
DS 400 - Big Data <i>*Prerequisite(s): DS 200 and CS 309.</i>			
DS 452 - Data Science Capstone <i>*Prerequisite(s): DS 300 and DS 315.</i>			
• Six additional electives (24 credits)			
Notes:			